

## Claims

We claim:

- 5    1. A buffer circuitry for buffering a radio-frequency (RF) signal, comprising:  
a complementary pair of switches having an input terminal and output terminal, the input  
terminal of the complementary pair of switches configured to respond to the  
radio-frequency signal, the output terminal of the complementary pair of switches  
coupled to an output of the buffer circuitry; and  
10    a power source, including a capacitor coupled to a current source, the power source  
coupled to the complementary pair of switches, the power source configured to  
supply power to the complementary pair of switches such that the buffer circuitry  
supplies a substantially constant power level at its output.
- 15    2. A radio-frequency (RF) apparatus, comprising:  
a first circuit partition, comprising receiver analog circuitry configured to produce a  
digital receive signal from an analog radio-frequency signal; and  
a second circuit partition, comprising receiver digital circuitry configured to accept the  
digital receive signal, wherein the first and second circuit partitions are partitioned  
20    so that interference effects between the first circuit partition and the second circuit  
partition tend to be reduced.